

Please type a plus sign (+) inside this box →

PTO/SB/08A (10-88)  
Approved for use through 10/31/89. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete If Known

Application Number	09/603,323
Filing Date	06/26/2000
First Named Inventor	Fang Sun
Group Art Unit	
Examiner Name	
Attorney Docket Number	1179/2/2

*Page No. 2*



Sheet 1 of 5

### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MA	A1	4,076,663		Masuda et al.	02/28/1978	
MA	A2	4,260,443		Lindsay et al.	04/07/1981	
MA	A3	4,270,977		Herman et al.	06/02/1981	
MA	A4	5,409,771		Dahment et al.	04/25/1995	
MA	A5	4,286,082		Tsubakimoto et al.	08/25/1981	
MA	A6	4,418,163		Murakami et al.	11/29/1983	
MA	A7	4,454,055		Richman et al.	06/12/1984	
MA	A8	4,467,012		Pedersen et al.	08/21/1984	
MA	A9	4,550,033		Boutin	10/29/1985	
MA	A10	4,552,618		Kopolow	11/12/1985	
MA	A11	4,587,308		Makita et al.	05/06/1986	
MA	A12	4,600,458		Kramer et al.	07/15/1986	
MA	A13	4,626,472		Boutin	12/02/1986	
MA	A14	4,654,039		Brandt et al.	03/31/1987	
MA	A15	4,732,968		Obayashi et al.	03/22/1988	
MA	A16	4,735,987		Morita et al.	04/05/1988	
MA	A17	4,758,617		Tanioku et al.	07/19/1988	
MA	A18	4,833,198		Stanley, Jr. et al.	05/23/1989	
MA	A19	4,865,596		Weisman et al.	09/12/1989	
MA	A20	4,914,066		Woodrum	04/03/1990	

### FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>				
	B1	WO	92/02596	Grigorian et al.	02/20/1992		X
	B2	WO	92/15741	Sultze et al.	09/17/1992		X
	B3	WO	93/17066	Johnson	09/02/1993		X
	B4	WO	93/21879	Osborn, III	11/11/1993		X
	B5	WO	93/24153	Graham	12/09/1993		X
	B6	WO	95/12849	Holm et al.	05/02/1996		X
	B7	WO	96/23474	Hammons et al.	08/08/1996		X
	B8	EP	0 336 578	Osborn, III	10/11/1989		X
	B9	EP	0 339 461	Kellenberger	11/02/1989		X
	B10	EP	0 359 615	Makouli et al.	03/21/1990		X

For the JP Patent Publications, the JP Patent Publication is not enclosed, but only an English language abstract is enclosed.

Examiner Signature  Date Considered 10-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 5

## Complete if Known

Application Number	09/603,323
Filing Date	06/26/2000
First Named Inventor	Fang Sun
Group Art Unit	
Examiner Name	#2

Attorney Docket Number 1179/2/2

JC147  
AUG 6 7 2000  
PATENT & TRADEMARK OFFICE

## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
~	A21	4,929,502		Giglia	05/29/1990	
~	A22	4,950,264		Osborn, III	08/21/1990	
~	A23	4,977,192		Martineu et al.	12/11/1990	
~	A24	4,986,882		Mackey et al.	01/22/1991	
~	A25	5,009,653		Osborn, III	04/23/1991	
~	A26	5,087,656		Yoshinaga et al.	02/11/1992	
~	A27	5,093,130		Fujii et al.	03/03/1992	
~	A28	5,096,944		Itou et al.	03/17/1992	
~	A29	5,145,906		Chambers et al.	09/08/1992	
~	A30	5,147,343		Kellenberger	09/15/1992	
~	A31	5,147,921		Mallo	09/15/1992	
~	A32	5,160,789		Barcus et al.	11/03/1992	
~	A33	5,217,445		Young et al.	06/08/1993	
~	A34	5,300,192		Hansen et al.	04/05/1994	
~	A35	5,208,896		Hansen et al.	05/03/1994	
~	A36	5,383,869		Osborn, III	01/24/1995	
~	A37	5,422,169		Roe	06/06/1995	
~	A38	5,447,977		Hansen et al.	09/05/1995	
~	A39	5,453,323		Chambers et al.	09/26/1995	
~	A40	5,496,626		Hamajima et al.	03/05/1996	

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Office <sup>3</sup> Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	B11	EP 0 437 816		Kim	07/24/1991		X
	B12	EP 0 483 816		Barnes et al.	05/06/1992		X
	B13	EP 0 495 108		Grigorian et al.	07/21/1992		X
	B14	EP 0 516 925		Stanley et al.	12/09/1992		X
	B15	EP 0 530 438		Chambers et al.	03/10/1993		X
	B16	EP 0 641 886		Mizukami et al.	03/08/1995		X
	B17	CA 2,008,323		Tai	07/24/1990		X
	B18	CA 2,042,183		Mallo	11/15/1991		X
	B19	JP 01024808		Arakawa Kagaku Kogyo KK	09/23/1993		X
	B20	JP 10178509		Saotome K	09/23/1993		X

For the JP Patent Publications, the JP Patent Publication is not enclosed, but only an English language Abstract is enclosed.

Examiner Signature *[Signature]* Date Considered 10-08

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box

Approved for use through 10/31/99. OMB 0851-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to

**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

She

of

10

**Complete if Known**

Application Number	09/603,323	
Filing Date	06/26/2000	
First Named Inventor	Fang Sun	
Group Art Unit	372	
Examiner Name		
Attorney Docket Number	1179/2/2	
<b>RELEVANT DOCUMENTS</b>		
Applicant Name	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	04/23/1996	
	07/23/1996	
	08/06/1996	
	08/27/1996	
	11/05/1996	
	11/19/1996	
	12/31/1996	
	03/04/1997	
	03/11/1997	
<b>RELEVANT PATENT DOCUMENTS</b>		
Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Yagaku Kankyusho	09/28/1993	
Mitsubishi Paper Mills Ltd	09/28/1993	
Japan Shokubai Co Ltd	10/06/1993	
Japan Shokubai Co Ltd	03/22/1994	
Asahi Plastics Co Ltd	04/18/1994	
Asa Co Ltd	06/07/1994	
Mitsubishi Petrochemical Co Ltd	12/12/1994	
Yashikane Shipbuilding	06/16/1988	
Yashikane Petachem Co	04/12/1995	

B29 JP 07025955 Sanyo Chem Ind Ltd 06/18/1990  
B30 JP 08092454 For the JP Patent Publications, the JP Patent Publication is not enclosed, but  
only an English language Abstract is enclosed. Date: 10-18

Examiner Signature  in conformance with MPEP 609. Draw line through citation if not in conformance and not considered

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document. <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments or the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.  
**DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



Please type a plus sign (+) inside this box

Approved for use through 10/31/89. OMB 0851-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Part of Information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information if it does not display a valid OMB control number.

Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

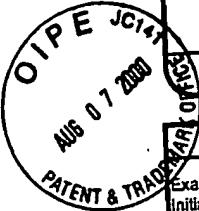
(use as many sheets as necessary)

Sheet 5 of 5

**Complete if Known**

Application Number	09/603,323
Filing Date	06/26/2000
First Named Inventor	Fang Sun
Group Art Unit	
Examiner Name	
Attorney Docket Number	1179/2/2

1179/2/2



U.S. PATENT DOCUMENTS

**FOREIGN PATENT DOCUMENTS**

For the JP Patent Publications, the JP Patent Publication is not enclosed, but only an English language Abstract is enclosed. Date 10-85

**Examiner  
Signature** **Letter Date  
Considered** **10/03**  
with MPEP 600. Draw line through citation if not in conformance and not

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through <sup>2</sup>RECEIVED  
considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kind of document. <sup>3</sup> See attached ST. 16 if possible. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language Translation is attached. <sup>6</sup> May depend upon the needs of the individual case.